

PROJECT DESCRIPTION

GENERAL

THIS PORTION OF THE PROJECT INVOLVES THE INSTALLATION OF VIDEO DETECTION AT THE EXISTING TRAFFIC CONTROL SIGNALS AT THE INTERSECTIONS OF MD 175 @ MD 170 (TELEGRAPH RD) AND MD 175 AND WINMEYER AVE IN ANNE ARUNDEL COUNTY, MARYLAND. MD 175 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

1. MD 175 AND WINMEYER AVENUE

THE INTERSECTION IS OPERATING IN A NEMA SIX-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH THE MD 175 APPROACHES OPERATING CONCURRENTLY AND THE WINMEYER AVENUE APPROACHES OPERATING SPLIT.

EXCLUSIVE/PERMISSIVE LEFT-TURN PHASING EXISTS FOR EASTBOUND AND WESTBOUND MD 175 APPROACHES.

2. MD 175 AND MD 170 (TELEGRAPH ROAD)

THE INTERSECTION IS OPERATING IN A NEMA SIX-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH THE MD 175 APPROACHES OPERATING CONCURRENTLY AND THE MD 170 (TELEGRAPH ROAD) APPROACHES OPERATING SPLIT.

EXCLUSIVE LEFT-TURN PHASING EXISTS FOR EASTBOUND AND WESTBOUND MD 175 APPROACHES.

CONTROLLER REQUIREMENTS

USE EXISTING BASE MOUNTED CABINET AND CONTROLLERS

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

CATEGORY CODE	QUANTITY	DESCRIPTION
900000	2 EACH	VIDEO INTERFACE EQUIPMENT: 1-4 CAMERAS

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

CATEGORY CODE	QUANTITY	DESCRIPTION
810550	4 EACH	MICROLOOP PROBE SET WITH 500 FOOT LEAD-IN CABLE
810555	4 EACH	MICROLOOP PROBE SET WITH 1000 FOOT LEAD-IN CABLE
816001	8 EACH	VIDEO DETECTION CAMERA
816005	5 EACH	CONTROL CABLE, 250 FT. VIDEO DETECTION CAMERA TO CONTROLLER
816010	3 EACH	CONTROL CABLE, 500 FT. VIDEO DETECTION CAMERA TO CONTROLLER
800000	L.S.	REMOVE AND DISPOSE EXISTING MATERIAL AND EQUIPMENT
805160	60 L.F.	1 INCH LIQUID-TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
862102	200 L.F.	SAWCUT FOR SIGNAL

MAINTENANCE OF TRAFFIC

THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT.

STANDARD NO. MD-104.03-01 (SHOULDER WORK)	STANDARD NO. MD-104.03-11 (INTERSECTION FAR RIGHT LANE CLOSURE)
STANDARD NO. MD-104.03-03 (LEFT LANE CLOSURE)	
STANDARD NO. MD-104.03-05 (RIGHT LANE CLOSURE)	
STANDARD NO. MD-104.03-09 (INTERSECTION FAR LEFT LANE CLOSURE)	

EQUIPMENT LIST "C"

ALL REMOVED SIGNAL MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MS. KIMBERLY TRAN
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 841-1019

MR. JOHN S. MAYS
DISTRICT UTILITY ENGINEER
PHONE: (410) 841-1039

MR. CHUCK E. GEORGE
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 841-1013

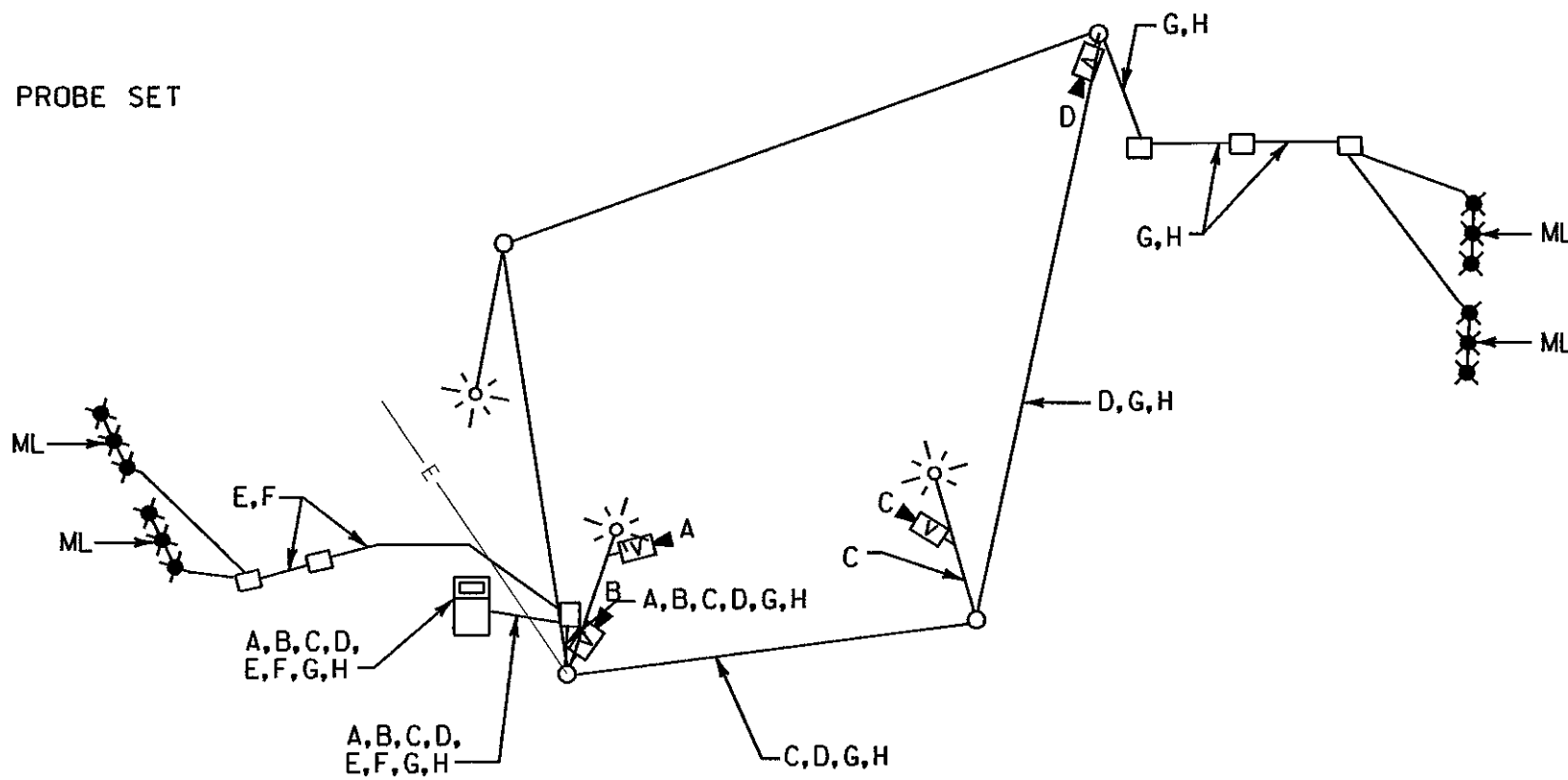
MR. RICHARD L. DAFF, SR.
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

WIRING DIAGRAM

WIRING KEY

A
B
C
D
E
F
G
H
VIDEO CAMERA DETECTION
LEAD-IN CABLE
MICROLOOP PROBE LEAD-IN

ML - MICROLOOP PROBE SET

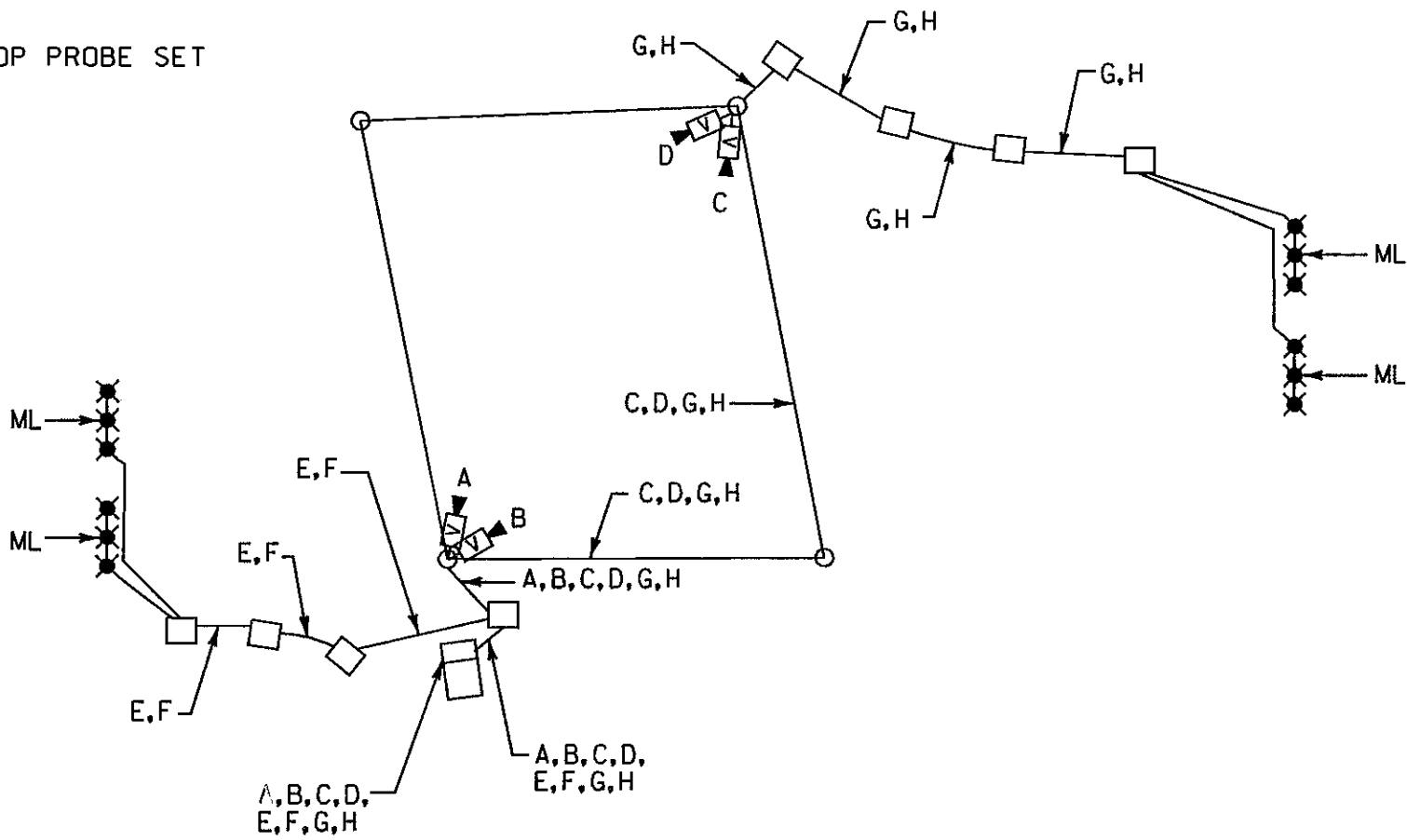


MD 175 @ WINMEYER AVENUE

WIRING KEY

A
B
C
D
E
F
G
H
VIDEO CAMERA DETECTION
LEAD-IN CABLE
MICROLOOP PROBE LEAD-IN

ML - MICROLOOP PROBE SET



MD 175 @ MD 170 (TELEGRAPH ROAD)

TSP-3



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION SHEET
MD 175



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DRAWN BY: B. DONOWAY
CHECKED BY: N. LEARY
SCALE: NONE
DATE: 2/4/2005

F.A.P. NO.
S.H.A. NO. AA3635177
COUNTY: ANNE ARUNDEL
LOG MILE:

TS NO.
T.I.M.S. NO.
6946

SHEET NO.
OF